## Contents of Aquaculture, Volume 97

71
1
•
7
13
25
41
61
-
. 73
85
. 97
91
71
109
9

Comparison of western blot, direct fluorescent antibody and drop-plate culture methods for the detection of <i>Renibacterium salmoniarum</i> in Atlantic salmon ( <i>Salmo salar</i> L.) S.G. Griffiths (Fredericton, N.B., Canada), G. Olivier, J. Fildes (Halifax, N.S.,
Canada) and W.H. Lynch (Fredericton, N.B., Canada)
Genetics and Breeding
Evaluation of genetic variatino in a domestic population of <i>Penaeus vannamei</i> (Boone): a comparison with three natural populations
S.L.F. Sunden and S.K. Davis (College Station, TX, USA)
Husbandry and Management
The influence of wave frequency and wave height on the behaviour of rainbow trout (Oncorhynchus mykiss) in cages
R.K. Srivastava, J.A. Brown and J. Allen (St. John's, Nfld., Canada)
Growth patterns of pike (Esox lucius L.) larvae and juveniles in small ponds under various natural temperature regimes
C. Bry, M.G. Hollebecq (Jouy-en-Josas, France), V. Ginot (Villeurbanne, France), G. Israel and J. Manelphe (Jouy-en-Josas, France)
Osteological abnormalities in laboratory reared sea-bass (Dicentrarchus labrax) fingerlines
Ch. Daoulas, A.N. Economou and I. Bantavas (Athens, Greece)
Nutrition
Influence of the biochemical composition of food on the biochemical composition of the rotifer Bracionus plicatilis
A.V. Frolov, S.L. Pankov, K.N. Geradze, S.A. Pankova and L.V. Spektorova (Moscow, USSR)
Pigmentation of rainbow trout with astaxanthin at different water temperatures
H.K. No and T. Storebakken (Sunndalsøra, Norway)
Physiology and Endocrinology
Adaptation of the brook trout, Salvelinus fontinalis, to direct transfer to sea water in spring and summer
M. Besner (Rimouski, Que., Canada) and D. Pelletier (Quebec, Que., Canada)
E. Virtanen, L. Söderholm-Tana, A. Soivio, L. Forsman and M. Muona (Helsinki, Finland)
Cryopreservation of the spermatozoa of Crassostrea tulipa and three other oysters K. Yankson and J. Moyse (Swansea, UK)
Offspring fitness and fecundity of an Indian major carp, Labeo rohita (Ham.), in relation to egg size
H.S. Sehgal and H.S. Toor (Ludhiana, India)
Combined effects of temperature and salinity on embryonic development and hatching of striped mullet, Mugil cephalus
W.A. Walsh, C. Swanson and CS. Lee (Honolulu, HI, USA)
hormone-releasing hormone analogue (LHRHa) injection
L.M.B. Garcia (Iloilo, Philippines)

Technical Paper	
A new method for electron-microscopical fixation of spermatozoa of freshwater teleosts	
F. Lahnsteiner and R.A. Patzner (Salzburg, Austria)	301
VOL. 97 NO. 4 1 OCTOBER	1991
Discours Bosseltes and Bouleton	
Diseases, Parasites and Predators Bioavailability of oxolinic acid in Atlantic salmon (Salmo salar L.) from medicated	
feed	
S.O. Hustvedt, R. Salte, O. Kvendset and V. Vassvik (Ås, Norway)	305
The detection of Bonamia ostreae (Pichot et al. 1980) in frozen oysters (Ostrea edulis	
L.) and the effect of the parasite on condition	
E. Rogan, S.C. Culloty, T.F. Cross and M.F. Mulcahy (Cork, Ireland)	311
Genetics and Breeding	
The characterization of Ostrea denselamellosa (Mollusca, Bivalvia) chromosomes:	
karyotype, constitutive heterochromatin and nucleolus organizer regions	
A. Insua and C. Thiriot-Quiévreux (Villefranche-sur-Mer, France)	317
Karyological studies on the freshwater prawn Macrobrachium rosenbergii	
C. Chávez Justo (Tokyo, Japan), M. Murofushi (Mishima, Japan), K. Aida and I.	
Hanyu (Tokyo, Japan)	327
напуи (Токуо, Јарап)	341
Husbandry and Management	
Environment and development of benthos in earthen trout ponds in Central Scotland	
M.A. Wahab and H.P. Stirling (Stirling, UK)	335
Physiology and Endocrinology	
The effect of SDA, temperature and daily rhythm on the energy metabolism of the	
mullet Mugil saliens	
J. Guinea and F. Fernández (Barcelona, Spain)	353
Ovulatory rhythms and egg viability in the Atlantic halibut (Hippoglossus hippoglossus)	
B. Norberg (Storebö, Norway), V. Valkner (Storebö and Bergen, Norway), J. Huse,	
I. Karlsen (Storebö, Norway) and G. Leröy Grung (Storebö and Bergen, Norway)	365
Induced spawning of Indian major carps and maturation of a perch and a catfish by	303
murrel gonadotropin releasing hormone, pimozide and calcium	
S. Halder, S. Sen, S. Bhattacharya, A.K. Ray (Santiniketan, India), A. Ghosh and	
S. Halder, S. Sen, S. Bhattacharya, A.K. Ray (Santiniketan, India), A. Ghosh and	272
A.G. Jhingran (Barrackpore, India)	3/3
Nutrition	
Effects of dietary lipid and carbohydrate levels on growth and body composition of	
juvenile red drum, Sciaenops ocellatus	
S.C. Ellis and R.C. Reigh (Baton Rouge, LA, USA)	383
Book Review	
Production of aquatic animals	395
Announcement	300
Amouncement	390
Author Index	399